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Marshall Space Flight Center



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Standardized Pearson Type III Density Function Area Tables

Tables constituting an extension of similar tables (see ref.) published in 1936 have been presented in report form. The original tables presented entries to six decimals for α_3 from 0 to 1.1 at intervals of 0.1.

In the referenced report, the argument is in standard units at intervals of 0.01, and entries are given to nine decimals for values of the third standard moment, α_3 , ranging from 0 to 2 at intervals of 0.1, from 2 to 3 at intervals of 0.2, and from 3 to 6 at intervals of 0.5.

A brief discussion of the single and triple parameter gamma functions and the Pearson Type III distribution precedes the tables.

The tables in the report should be of interest to persons concerned with the development and use of numerical analysis and evaluation methods.

Reference:

Salvosa, Louis R.: Tables of Pearson's Type III Function. *Annals of Math. Stat.*, Appendix to Vol. 1, 1936, pps. 191-198; 1-125.

Note:

The following documentation may be obtained from:

National Technical Information Service
Springfield, Virginia 22151
Single document price \$3.00
(or microfiche \$0.95)

Reference:

NASA-CR-61266 (N69-25106), Tables of Areas of the Standardized Pearson Type III Density Function

Patent status:

No patent action is contemplated by NASA.

Source: A. C. Cohen, F. R. Helm, and
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